

Matrix Memory

Matrix Semiconductor, Inc.
3230 Scott Boulevard Santa Clara, California 95054
Telephone 408.969.4848 Facsimile 408.969.4849

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Time: 1:35 PDT
(Santa Clara, California)

To: Commissioner for Patents
Attn: Fernando Toledo
Patent Examining Corps
Facsimile Center
P.O. Box 1450
Alexandria, VA 22313-1450

From: Pamela J. Squyres
Attorney Docket: MA-046
Phone: 408-869-2921

OFFICIAL

FAX NUMBER 703-872-9306

| | |
|---|-----------------------------|
| Re: Patent Application of: Michael A. Vyvoda et al. | Examiner: Fernando Toledo |
| Serial No.: 09/918,853 | Group Art Unit: 2823 |
| Filed: July 30, 2001 | Attorney Docket No.: MA-046 |
| Title: Process for Fabricating Dielectric Film Using Plasma Oxidation | |

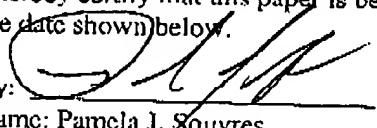
Document(s) Transmitted:

- ☐ Fee Transmittal + copy (2 pages)
- ☐ Request for Continued Examination Transmittal (1 pg.)
- ☐ Request for Continued Examination (31 pages)

Total pages of this transmission, including the cover letter: 35 35

If you do not receive all of the pages described above, please telephone us at 408-869-2921 or fax us at 408-969-4849.

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

By: 
Name: Pamela J. Squyres
Reg. No.: 52,246
Date: 6/7/04

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Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$770.00)

Complete if Known

Application Number 09/918,853
Filing Date July 30, 2001
First Named Inventor Michael A. Vyvoda et al
Examiner Name F. Toledo
Art Unit 2823
Attorney Docket No. MA-046

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account.

Deposit Account Number 502302
Deposit Account Name Matrix Semiconductor, Inc.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or any underpayment of fee(s)
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 770 | 2001 385 | Utility filing fee | |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$) | | | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 0
Independent Claims 0
Multiple Dependent Claims 0
Extra Claims -20** = 0 X Fee from below 18.00 = 0.00
Extra Claims -3** = 0 X Fee from below 86.00 = 0.00
Multiple Dependent 0.00 = 0.00

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 1202 18 | 2202 9 | Claims in excess of 20 | |
| 1201 86 | 2201 43 | Independent claims in excess of 3 | |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid | |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent | |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) (\$) | | | 0.00 |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | Non-English specification | |
| 1812 7,520 | 1812 2,620 | For filing a request for ex parte reexamination | |
| 1804 920* | 1804 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | Extension for reply within first month | |
| 1252 420 | 2252 210 | Extension for reply within second month | |
| 1253 950 | 2253 475 | Extension for reply within third month | |
| 1254 1,480 | 2254 740 | Extension for reply within fourth month | |
| 1255 2,010 | 2255 1,005 | Extension for reply within fifth month | |
| 1401 330 | 2401 165 | Notice of Appeal | |
| 1402 330 | 2402 165 | Filing a brief in support of an appeal | |
| 1403 290 | 2403 145 | Request for oral hearing | |
| 1451 1,310 | 1451 1,310 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revive - unavoidable | |
| 1453 1,330 | 2453 665 | Petition to revive - unintentional | |
| 1501 1,330 | 2501 665 | Utility issue fee (or reissue) | |
| 1502 480 | 2502 240 | Design issue fee | |
| 1503 640 | 2503 320 | Plant issue fee | |
| 1460 130 | 1460 130 | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 1806 180 | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 770 | 2809 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 770 | 2810 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 770 | 2801 385 | Request for Continued Examination (RCE) | 770 |
| 1802 900 | 1802 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$770)

| | | | |
|-------------------|-------------------|-----------------------------------|--------------|
| SUBMITTED BY | | (Complete if applicable) | |
| Name (Print/Type) | Pamela J. Squires | Registration No. (Attorney/Agent) | 52,246 |
| Signature | | Telephone | 408 869-2921 |
| | | Date | June 7, 2004 |

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, contact the USPTO at 1-800-786-9899.

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Approved for use through 07/31/2008. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Complete if Known**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 770.00)

| | |
|----------------------|-------------------------|
| Application Number | 00/918,853 |
| Filing Date | July 30, 2001 |
| First Named Inventor | Michael A. Vyvoda et al |
| Examiner Name | F. Toledo |
| Art Unit | 2823 |
| Attorney Docket No. | MA-040 |

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

| | |
|------------------------|----------------------------|
| Deposit Account Number | 502302 |
| Deposit Account Name | Matrix Semiconductor, Inc. |

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 770 | 2001 385 | Utility filing fee | |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 180 | 2005 80 | Provisional filing fee | |

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------|----------------|----------|
| 0 | -20** = 0 | 18.00 | 0.00 |
| 0 | -3** = 0 | 08.00 | 0.00 |
| 0 | | 0.00 | 0.00 |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 1202 18 | 2202 9 | Claims in excess of 20 | |
| 1201 88 | 2201 43 | Independent claims in excess of 3 | |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid | |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent | |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2) (\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|--|----------|
| 1051 130 | 2051 60 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 2053 130 | Non-English specification | |
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| 1253 990 | 2253 475 | Extension for reply within third month | |
| 1254 1,480 | 2254 740 | Extension for reply within fourth month | |
| 1255 2,010 | 2255 1,005 | Extension for reply within fifth month | |
| 1401 330 | 2401 165 | Notice of Appeal | |
| 1402 330 | 2402 165 | Filing a brief in support of an appeal | |
| 1403 280 | 2403 145 | Request for oral hearing | |
| 1451 1,510 | 2451 1,510 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revive - unavoidable | |
| 1453 1,330 | 2453 665 | Petition to revive - unintentional | |
| 1501 1,330 | 2501 665 | Utility issue fee (or reissue) | |
| 1502 480 | 2502 240 | Design issue fee | |
| 1503 640 | 2503 320 | Plant issue fee | |
| 1460 130 | 2460 130 | Petitions to the Commissioner | |
| 1807 50 | 2807 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 2806 180 | Submission of Information Disclosure Stmt | |
| 8021 40 | 28021 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 770 | 2809 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 770 | 2810 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 770 | 2801 385 | Request for Continued Examination (RCE) | 770 |
| 1802 500 | 2802 250 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 770)

SUBMITTED BY

Name (Print/Type) Pamela J. Squyres

Registration No.

52,246

(Complete if applicable)

Telephone 408 869-2921

Signature

Date June 7, 2004

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PTO/SB/30 (08-03)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| | | |
|--|-------------------------------|------------------|
| Request For Continued Examination (RCE) Transmittal Address to: Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 | Application Number | 09/918,853 |
| | Filing Date | July 30, 2001 |
| | First Named Inventor | Michael A Vyvoda |
| | Art Unit | 2823 |
| | Examiner Name | F. Toledo |
| | Attorney Docket Number | MA-046 |

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
 Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

- Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

i. ☐ Consider the arguments in the Appeal Brief or Rely Brief previously filed on _____

ii. ☐ Other _____

b. ☒ Enclosed

i. ☒ Amendment/Reply

ii. ☐ Affidavit(s)/ Declaration(s)

iii. ☐ Information Disclosure Statement (IDS)

iv. ☐ Other _____
- Miscellaneous**

a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; if so under 37 CFR 1.17(i) required)

b. ☐ Other _____
- Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge the following fees, or credit any overpayments, to

a. ☒ Deposit Account No. 502302

i. ☒ RCE fee required under 37 CFR 1.17(e)

ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)

iii. ☐ Other _____

b. ☐ Check in the amount of \$.00 enclosed

c. ☐ Payment by credit card (Form PTO-2038 enclosed)

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| | |
|---|--------------------|
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED | |
| Name (Print/Type) | Pamela J. Squyres |
| Signature | <i>[Signature]</i> |
| Registration No. (Attorney/Agent) | 52,246 |
| Date | 6/7/04 |
| CERTIFICATE OF MAILING OR TRANSMISSION | |
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below. | |
| Name (Print/Type) | PAMELA J. SQUYRES |
| Signature | <i>[Signature]</i> |
| Date | 6/7/04 |

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | |
|---|----------------------|
| Applicant(s): Vyvoda et al. | |
| Application No.: 09/918,853 | Group Art Unit: 2823 |
| Filed: 7/30/2001 | |
| Title: Process for Fabricating a Dielectric Film Using Plasma Oxidation | Examiner: F. Toledo |
| Attorney Docket No.: 10519-29 | |

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June 7, 2004

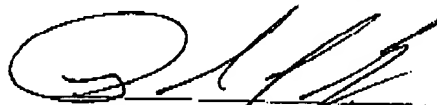
REQUEST FOR CONTINUED EXAMINATION

Dear Sir:

Applicants request continued examination under 37 CFR § 1.114. The enclosed Amendments and Remarks constitute the required submission. Amendments to the Claims begin on page 2, Remarks begin on page 26, and a Conclusion appears on page 31.

If concerns remain, the Examiner is respectfully requested to grant an interview to discuss the references and Response.

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.


Pamela J. Squyres
Date of Transmission 6/7/4

App No. 09/918,853

1